The World in Communication

Connection Hints
Motor-Bike Microphone / Headphone Combination

MHS-400

for 2-way-radios with 2.5/3.5 mm audio-sockets and GSM cellular phones with universal 2.5 mm (stereo) plug

The MHS-400 motor-bike helmet mic /phone combination is designed for motor-bike radio communication via LPD, amateur, CB or PMR hand held radios with standard 2 plug wiring like most of Albrecht, ALAN and other radios have, and / or parallel to this, for standard GSM phones.

The sets have very flat, soft and convenient headphone speakers and a microphone to be placed in the bike helmet, and a water-proof transmit (PTT) button for mounting on the handlebars or any other suitable place. Mic and phones can be fixed via adhesive pads and velcro fastening, the PTT has an adjustable velcro fastening tape. All parts can be easily removed and attached several times.

The microphone shall be attached at the helmet as near as possible to the mouth, but please take care that no excessive wind noise will be picked up by the microphone.

Installation: Please fix the earphones in the helmet so, that You obtain a not too short distance between phones and ears. For traffic safety reasons, even after fixing the earphones, You must still be able to hear what happens around You.
Please avoid any modification of Your original helmet during installation. Modifications inside the helmet may effect the ECE approval of the helmet. If You should use a radio which produces not adjustable beep tones, it may be necessary to increase the distance between ear and phone position in the helmet accordingly. To protect Your ears, please test the position and the volume adjustment at the radio and GSM phone carefully beginning with lower levels.
Connect the cable connectors from MIC/Earphone and PTT key set to the multi-pin connectors of the cable set, and the other cables to the radio and to Your GSM phone. To avoid accidental wrong connections, the cable set uses different connector types, which fit only to the correct accessory items. The PTT button is only used for radio communication via Your 2-way radio. GSM communication works without PTT button.

Plug the combined 3.5 / 2.5 mm plug into the earphone and mic sockets of Your radio, and the other cable with the 2.5 mm (stereo-type) connector to the GSM phone. The installed 2.5 mm plug is a universal type GSM audio plug, which fits directly into Motorola phones. For other phone brands, You can obtain suitable adaptors from any cellular phone shop.

If You should not use a GSM phone, please insulate the remaining 2.5 mm plug with insulating tape to avoid accidental wrong connections. Do the same with the 2-way radio cable, if You should use only a GSM phone and no 2-way radio.
There is no need for any battery, the set is powered by the radio / phone.

Operation: Your headphones receive their audio signals parallel from both 2-way radio and GSM phone, so You will listen to audio coming from both sets. To allow handsfree GSM operation, You should set Your GSM phone to automatic incoming call switching. Outgoing GSM calls should not be made during driving - please follow national regulations! During GSM operation, You do not need to press the transmit button- just speak into the microphone and listen to Your partner.
If You press the transmit button, Your voice will be automatically transmitted via the 2-way radio. Release the transmit button to receive the answer of the distant station. It is not possible (and not allowed!) to forward GSM calls into the 2 way radio network and vice versa.

Important notes:

The motor bike set with the PTT key cannot be used for VOX operation of 2 way radios. Because of technical reasons the MHS 400 set cannot be used together with 2-way radios which have balanced or ground free audio output sockets. Please ask Your dealer, if You are not sure. For operation with Albrecht Tectalk, Tectalk FM, Freestyle, GP 1 or Joker You will need the adapter Nr. 29254. For use as co-driver intercom with ALAN 456, You will need adapter Nr. A 200.

The set fullfills the European standards of the EN 301 489-X series for commercial radios, as well as ETS 300 684 for amateur radio and has the CE- marking. Because of EMC reasons It may be used only with the standard cable set supplied with the product or cable length below 3 meters.

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